

GB

SAFETY INSTRUCTION FOR USE AND MAINTENANCE
DO NOT DESTROY THIS MANUAL

F

INSTRUCTION DE SECURITE D'EMPLOI ET D'ENTRETIEN
CONSERVER CE LIVRET D'INSTRUCTIONS

E

INSTRUCCIONES DE SEGURIDAD, EMPLEO Y MANTENIMIENTO
CONSERVAR EL PRESENTE MANUAL

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ISTRUZIONI PER LA SICUREZZA NELL'USO E PER LA MANUTENZIONE
CONSERVARE IL PRESENTE LIBRETTO

D

BETRIEBS- WARTUNGS UND SICHERHEITSANLEITUNG
DAS VORLIEGENDE HANDBUCH GUT AUFBEWAHREN

P

INSTRUÇÕES DE SEGURANÇA DE UTILIZAÇÃO E DE MANUTENÇÃO
CONSERVE ESTE MANUAL

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INSTRUKTIONER FÖR SÄKERHET, ANVÄNDNING OCH UNDERÅLL
SPAR DENNA HANDELEDNING

NL

VEILIGHEIDSINSTRUCTIES VOOR GEBRUIK EN ONDERHOUD
BEWAAR DEZE HANDLEIDING

RO

INSTRUCTIUNI PRIVIND SIGURANTA IN EXPLOATARE SI INTRETINEREA
PASTRATI ACEST MANUAL

PL

INSTRUKCJE BEZPIECZEŃSTWA PODCZAS OBSŁUGI I KONSERWACJI
ZACHOWAĆ NINIEJSZĄ INSTRUKCJĘ NA PRZYSZŁOŚĆ

GR

ΟΔΗΓΙΕΣ ΑΣΦΑΛΕΙΑΣ ΚΑΤΑ ΤΗ ΧΡΗΣΗ ΚΑΙ ΤΗ ΣΥΝΤΗΡΗΣΗ
ΦΥΛΑΞΤΕ ΤΟ ΠΑΡΟΝ ΕΓΧΕΙΡΙΔΙΟ

RU

РУКОВОДСТВО ПО БЕЗОПАСНОЙ ЭКСПЛУАТАЦИИ И ТЕХНИЧЕСКОМУ ОБСЛУЖИВАНИЮ
СОХРАНИТЕ НАСТОЯЩЕЕ РУКОВОДСТВО

■ The technical specifications and the wiring diagrams contained in this user manual are valid only for the model system which has the serial number indicated on the sticker. ■ *Les informations, les schemas électriques et les instructions pour l'utilisation et la manutention contenus dans ce livret sont valables uniquement pour le type de modèle ayant le numéro de matricule indiqué sur l'adhesif.* ■ Los datos, los esquemas eléctricos y las instrucciones de uso y mantenimiento contenidos en el presente manual son válidos sólo para la instalación del modelo y con el número de matrícula indicado en el adhesivo. ■ *I dati, gli schemi elettrici e le istruzioni d'uso e manutenzione contenuti nel presente libretto sono validi soltanto per l'impianto del modello e con il numero di matricola indicato nell'adesivo.* ■ Die in diesem Handbuch enthaltenen Daten, Schaltpläne und Gebrauchs- und Wartungshinweise sind nur für das Modell der Anlage gültig, das zusammen mit der entsprechenden Seriennummer auf dem Aufkleber angegeben wird. ■ *Os dados, esquemas eléctricos, instruções de utilização e manutenção contidos neste Manual são válidos apenas para o sistema do modelo com o número de matrícula indicado no adesivo.* ■ Data, koplingsscheman och anvisningar för användning och underhåll som finns i denna handledning gäller endast för maskinmodellen med serienumret som anges på etiketten. ■ *Gegevens, elektrische schema's en gebruiks- en onderhoudsaanwijzingen van deze handleiding gelden uitsluitend voor het op de sticker vermelde model en serienummer.* ■ Datele, schemele electrice și instrucțiunile de folosire și de întreținere din acest manual sunt valabile numai pentru aparatul cu modelul și cu numărul de serie indicate pe eticheta adezivă. ■ Dane, schematy elektryczne oraz instrukcje obsługi i konserwacji podane tutaj dotyczą wyłącznie tych wskazanych instalacji i modeli, których numery seryjne podano na nalepce. ■ Τα στοιχεία, τα ηλεκτρικά διαγράμματα και οι οδηγίες χρήσης και συντήρησης που περιέχει το παρόν εγχειρίδιο ισχύουν μόνο για την εγκατάσταση του μοντέλου με τον αριθμό σειράς που αναγράφεται στο αυτοκόλλητο. ■ *Содержащиеся в настоящем руководстве данные, электрические схемы, инструкции по эксплуатации и техническому обслуживанию относятся исключительно к модели машины, имеющей заводской номер, указанный на наклейке.*



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1.0 TECHNICAL DESCRIPTION

1.1 DESCRIPTION

The system is a modern direct current generator for plasma arc cutting, created thanks to the application of the inverter.

This special technology allows for the construction of compact light weight generators with high performance.

Possibility of adjustment, high efficiency and reduced power consumption make it an excellent tool, able to perform quality cutting up to thicknesses of 6 mm.

The generator has an integrated compressor, and therefore does not require connection to any compressed air supply.

The generator is equipped with automatic arc restart, which enables optimum cutting of metal grid structures.

The generator also has safety systems that inhibit the power circuit when the operator comes into contact with live parts of the machine.

Cutting of thicknesses up to 2 mm with just the pilot arc is also possible; this is very useful with painted metals to which the positive pincer cannot be connected.

1.2 TECHNICAL SPECIFICATIONS

DATA PLATE

PRIMARY	
Single phase voltage	230V
Frequency	50 / 60 Hz
Effective consumption	11A
Maximum consumption	16A
SECONDARY	
Voltage under no load	300V
Cutting current	10 ÷ 20A
Duty cycle	20A ÷ 50%
Protection class	IP 23
Insulation class	H
Weight	12 kg.
Dimensions	mm 410 x 180 x 310
Europeans Standards	EN 60974.1 - EN 60974.7 EN 60974.10

1.3 ACCESSORIES

Consult the area agents or the dealer.

1.4 DUTY CYCLE

The duty cycle is the percentage of 10 minutes that the power source can cut at its rated current, considering an ambient temperature of 40° C, without the thermostat protector cutting in. If it does cut in, the user has to wait for power source reinstatement before resuming cutting (see page IV).

DO NOT EXCEED THE MAXIMUM WORK CYCLE.

Exceeding the work cycle specified on the dataplate can damage the power source and invalidate the warranty.

2.0 INSTALLATION



IMPORTANT: Before connecting, preparing or using equipment, read section **SAFETY PRECAUTIONS**.

2.1 CONNECTING THE POWER SOURCE TO THE MAINS ELECTRICITY SUPPLY.



Check that the power socket is equipped with the fuse indicated in the technical data table on the power source. All power source models are

designed to compensate power supply variations. For variations of $\pm 10\%$, a cutting current variation of $\pm 0,2\%$ is created.

230V
50-60 Hz



BEFORE INSERTING THE MAINS PLUG, IN ORDER TO AVOID DAMAGE TO THE POWER SOURCE, CHECK THAT THE MAINS CORRESPONDS TO THE REQUIRED POWER SUPPLY.

2.2 POWER SOURCE POSITIONING



Special installation may be required where gasoline or volatile liquids are present. Contact the competent authorities. When positioning equipment, ensure that the following guidelines are followed:

1. The operator must have unobstructed access to controls and equipment connections.
2. Check that the power cable and fuse of the socket for power source connection is suited to current requirements of the latter.
3. Do not position equipment in confined, closed places. Ventilation of the power source is extremely important. Avoid dusty or dirty locations, where dust or other debris could be aspirated by the system.
4. Equipment (including connecting leads) must not obstruct corridors or work activities of other personnel.
5. Position the power source securely to avoid falling or overturning. Bear in mind the risk of falling of equipment situated in overhead positions.

2.3 HANDLING AND TRANSPORTING THE POWER SOURCE



OPERATOR PROTECTION:
Welder's helmet - Gloves - Safety Shoes - Gaiters.



The welding power source does not weigh more than 25 Kg and can be handled by the operator. Read the following precautions carefully.

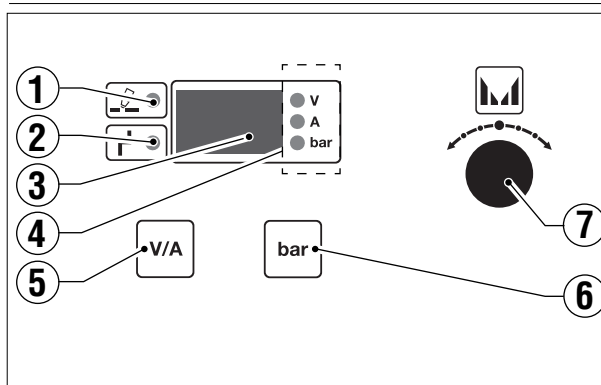
The power source has been designed for lifting and transport. However, the following procedures must always be observed:

1. The operations mentioned above can be carried out by means of the handle on the power source.
2. Disconnect the power source from the power supply and all accessories before lifting or moving. Do not drag, pull or lift equipment by the cables.

3.0 CONTROLS: LOCATION AND FUNCTION

3.1 FRONT PANEL

Figure 1.



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